



Department of General Services
Procurement Division
707 Third Street, 2nd Floor
West Sacramento, CA 95605-2811

State of California
CONTRACT NOTIFICATION
****MANDATORY****

| | |
|-------------------------------|--|
| CONTRACT NUMBER: | 1-07-55-10-A 1-07-55-10-B |
| DESCRIPTION: | Wood Posts (Laminated Box Posts & Survey Stakes) |
| CONTRACTOR(S): | Midwestern Wholesalers Ken's Stakes & Supplies |
| CONTRACT TERM: | 10/05/2007 through 10/04/2009 |
| DISTRIBUTION LIST: | DOT Posted Electronically on http://www.pd.dgs.ca.gov/contracts/55-10.htm |
| STATE CONTRACT ADMINISTRATOR: | Terry Muñoz (916) 375-4495 terry.munoz@dgs.ca.gov |

ORIGINAL SIGNED

Adrian Farley, Deputy Director

Effective Date: **10/05/2007**

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1. SCOPE

The State's contract with Midwestern Wholesalers (contractor), and Ken's Stakes & Supplies (contractor) provides wood posts at contracted pricing to the State of California Department of Transportation in accordance with the requirements of Contract # 1-07-55-10-A & # 1-07-55-10-B. The contractors shall supply the entire portfolio of products as identified in the contract and will be the primary point of contact for data collection, reporting, and distribution of wood posts to the State.

The contract term is for two (2) years, and the State has the unilateral right to exercise options to extend the contract for one (1) additional one (1) year period or portion thereof. Terms and conditions shall remain the same for the entire contract period including any extensions. A request for price increase may be considered during an extension option period, to the extent that the price is determined to be "fair and reasonable".

2. CONTRACT PRICING STRUCTURE

All pricing is listed on Attachment A, Contract Pricing. The contract pricing is categorized under two (2) groups:

| Contract Number | Group | Product | Contractor |
|-----------------|-------|---------------------------|-------------------------|
| 1-07-55-10-A | 3 | Wood Laminated Box Posts | Midwestern Wholesalers |
| 1-07-55-10-B | 4 | Wood Survey Stakes & Lath | Ken's Stakes & Supplies |

Note: Groups 1 & 2 of the IFB 56335 were not awarded as part of this contract.

All contract items are mandatory, there will be no exceptions.

3. CONTRACT USAGE/RULES

- A. The use of this contract is mandatory for the Department of Transportation. Other branches of government, constitutional officers, other State agencies such as California State Universities and local governments are not eligible to utilize the contract.
- B. Ordering State departments must adhere to all applicable State laws, regulations, policies, best practices, and purchasing authority requirements, e.g. California Codes, Code of Regulations, State Administrative Manual, Management Memos, and State Contract Manual Volume 2 and 3, as applicable.
- C. Prior to placing orders against this contract, State departments must have been granted purchasing authority by the Department of General Services, Procurement division (DGS/PD) for the use of the State's contracts. The department's current purchasing authority number must be entered in the appropriate location on each purchase document. Departments that have not been granted purchasing authority by DGS/PD for the use of the State's contracts may access the Purchasing Authority Application at <http://www.pd.dgs.ca.gov/deleg/pamanual.htm> or may contact DGS/PD's Purchasing Authority Management Section by e-mail at pams@dgs.ca.gov.
- D. State departments are required to have a Department of General Services (DGS) agency billing code prior to using this contract. DGS agency billing codes may be obtained by contacting the DGS billing code contact and providing the following:
 - State Department Name
 - Contact name
 - Telephone number
 - Mailing address

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- Facsimile number and e-mail address

Email the required information to the following DGS billing code contacts:

- Marilyn.ebert@dgs.ca.gov and
- Wilson.lee@dgs.ca.gov

4. DGS ADMINISTRATIVE FEES

The DGS will bill the Department of Transportation an administrative fee for use of this contract. The administrative fee should NOT be included in the order total, nor remitted before an invoice is received from DGS. (You may click on "DGS Price Book" at: <http://www.ofs.dgs.ca.gov/Price+Book/P/Purchasing.htm> for current fees.)

5. CONTRACT ADMINISTRATION

Both the State and the contractor(s) have assigned contract administrators as the single points of contact for problem resolution and related contract issues.

| | |
|-------------------------------|--|
| State Contract Administrator: | Terry Muñoz |
| Address: | DGS/Procurement Division 707 Third Street, 2 nd Floor West Sacramento, CA 95605 |
| Telephone: | (916) 375-4495 |
| Facsimile: | (916) 375-4613 |
| E-Mail: | terry.munoz@dgs.ca.gov |

| | |
|-------------------------|--|
| Contract # 1-07-55-10-A | |
| Midwestern Wholesalers | |
| Contract Administrator: | Ron Stephens |
| Address: | Midwestern Wholesalers 4832 Plank Road Norwalk, OH 44857 |
| Telephone: | (707) 649-9008 |
| Facsimile: | (240) 376-2266 |
| E-Mail: | ron@amtim.com |

| | |
|-------------------------|---|
| Contract # 1-07-55-10-B | |
| Ken's Stakes & Supplies | |
| Contract Administrator: | Joe Hallmeyer |
| Address: | Ken's Stakes & Supplies 193 S. Mariposa Visalia, CA 93292 |
| Telephone: | (559) 747-1313 |
| Facsimile: | (559) 747-1315 |
| E-Mail: | jdhkss@clearwire.net |

6. PROBLEM RESOLUTION

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The Department of Transportation and/or contractors shall inform the State's contract administrator of any technical or contractual difficulties encountered during contract performance in a timely manner. This includes and is not limited to informal disputes, supplier performance, outstanding deliveries, etc.

7. PURCHASE EXECUTION

A. State departments must use the Purchasing Authority Purchase Order (Std. 65). An electronic version of the Std. 65 is available at the Office of State Publishing web site: <http://www.dgs.ca.gov/osp> (select Standard Forms). All Purchasing Authority Purchase Orders (Std. 65) must contain the following:

1. Agency Order Number (Purchase Order Number)
2. Agency Billing Code
3. Purchasing Authority Number
4. Leveraged Procurement Number (Contract Number)
5. Ordering Agency Name
6. Supplier Information (Address, Contact Name, Phone Number, Fax Number, E-mail)
7. Line Item number
8. Quantity
9. Unit of Measure
10. Commodity Code Number
11. Product Description
12. Unit Price
13. Extension Price

B. All State Departments will submit a copy of executed purchase documents to:

DGS - Procurement Division (IMS# Z-1)
Attn: Data Entry Unit
707 Third Street, 2nd Floor North
West Sacramento, CA 95605-2811

8. ORDERING PROCEDURE:

State departments must submit a Purchasing Authority Purchase Order (Std. 65) directly to the contractor.

There are three ordering methods available on this contract:

- U.S. Mail
- Facsimile
- Email

When using any of the three ordering methods, all State departments must conform to proper State procedures.

The ordering information for each contractor is listed below:

Contract # 1-07-55-10-A

Company Name: Midwestern Wholesalers
Address: 4832 Plank Road
Norwalk, OH 44857
Facsimile: (419) 663-1077
Email: sandee@amtim.com

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Contract # 1-07-55-10-B

Company Name: Ken's Stakes & Supplies

Address: 193 S. Mariposa
Visalia, CA 93292

Facsimile: (559) 747-1315

Email: jdhkss@clearwire.net

9. ORDER LIMITS

There is no minimum order for this contract.

10. ORDER ACKNOWLEDGEMENT

The contractor will provide the ordering agencies with an order receipt acknowledgement containing a unique order number either via e-mail or facsimile within 48 hours of receipt of order.

The acknowledgement will include:

- Ordering Agency Name
- Agency order Number (Purchase Order Number)
- Purchase Order Total Cost
- Delivery Completion Date

11. DELIVERY SCHEDULES

Delivery is to be completed in full as follows:

| Contract Number | Group | Delivery Completed (Calendar Days ARO) |
|-----------------|------------------------------------|---|
| 1-07-55-10-A | Group 3 - Laminated Wood Box Posts | 120 Days ARO |
| 1-07-55-10-B | Group 4 - Wooden Survey Stakes | 90 Days ARO |

All deliveries against this contract shall be shipped to:

Department of Transportation
Sacramento Distribution Warehouse
2001 Evergreen Street
Sacramento, CA 95815

The contractor shall contact the Sacramento Distribution Warehouse by telephone at (916) 324-1190 or by fax at (916) 322-7016 at least two (2) working days in advance to schedule a delivery time. Unscheduled deliveries are subject to rejection. The warehouse accepts deliveries from 7:00 AM to 12:00 PM and from 12:30 PM to 3:00 PM Monday - Friday, except for State holidays.

12. FREIGHT ON BOARD (F.O.B.) DESTINATION

All prices are F.O.B. destination; freight prepaid by the contractor, to the ordering organization's receiving point. Responsibility and liability for loss or damage for all orders will remain with the contractor until final inspection and acceptance, when all responsibility will pass to the ordering organization, except the responsibility for latent defects, fraud, and the warranty obligations.

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13. EMERGENCY/EXPEDITED ORDERS

Not applicable.

14. SHIPPED ORDERS

All delivered products must be handled, stored, bundled, strapped, palletized, and delivered according to the instructions in the specifications for each group (Attachments B & C).

All pallets must comply with the attached State of California Specification 3990-01A-01, dated January 2001 (Attachment D). All pallets employed in the delivery of the product shall be of sturdy construction and adequate condition to assure delivery without damage to the product and to insure prevention of safety hazards.

Each delivery shall be appropriately marked as described in the specifications for each group.

15. QUALITY ASSURANCE

All wood products offered must conform to the attached Department of Transportation Bid Specifications for: Laminated Wood Box Posts for Roadside Signs, dated July 2007; and Wooden Survey Stakes, dated July 2007. (Attachments B & C)

Posts delivered will be inspected by the Department of Transportation. Delivered products not meeting all specified requirements due to excess moisture content and treatment residue, warping, improper bundling, etc. will be deemed non-compliant to specifications and will be returned at the contractor's expense. The contractor shall replace all rejected/non-compliant products with fully compliant new stock, at no cost to the State.

16. INVOICING

Ordering agencies may require separate invoicing, as specified by each ordering organization. Invoices will contain the following information:

- Contractor's name, address and telephone number
- Leveraged Procurement Number (Contract Number)
- Agency Order Number (Purchase Order Number)
- Item and commodity code number
- Quantity purchased
- Contract unit price and extension
- State sales and/or use tax
- Prompt payment discounts/cash discounts, if applicable
- Totals for each order

17. PAYMENT

Payment terms for this contract are net forty-five (45) days. Payment will be made in accordance with the provisions of the California Prompt Payment Act, Government Code Section 927 etc. seq. Unless expressly exempted by statute, the Act requires State departments to pay properly submitted, undisputed invoices not

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more than forty- five (45) days after the date of acceptance of goods, performance of services, or receipt of an undisputed invoice, whichever is later.

18. PAYEE DATA RECORD

Each State accounting office must have a copy of the Payee Data Record (Std. 204) in order to process payments. Agencies should forward a copy of the Std. 204 to their accounting office(s). Without the Std. 204, payment may be unnecessarily delayed. Ordering agencies should contact the appropriate contractor(s) for copies of the Payee Data Record.

19. CALIFORNIA SELLER'S PERMIT

The California seller permit numbers for each of the contractors is listed below. Agencies can verify that the permits are currently valid at the following website: www.boe.ca.gov. State departments must adhere to the file documentation required identified in the State Contract Manual Volume 2 and Volume 3, as applicable.

| Contract Number | Contractor Name | Seller Permit # |
|-----------------|-------------------------|-----------------|
| 1-07-55-10-A | Midwestern Wholesalers | 99868767 |
| 1-07-55-10-B | Ken's Stakes & Supplies | 22791949 |

20. RECYCLED CONTENT

There is no recycled content for this contract.

21. SMALL BUSINESS/DISABLED VETERAN BUSINESS ENTERPRISE PARTICIPATION

The small business (SB) and disabled veteran business enterprise (DVBE) certifications and percentages for each contractor are listed below. Agencies can verify that the certifications are currently valid at the following website: <http://www.pd.dgs.ca.gov/smbus/default.htm>.

| Contract Number | Contractor Name | OSDS Certification # | SB Percent (%) | DVBE Percent (%) |
|-----------------|-------------------------|----------------------|----------------|------------------|
| 1-07-55-10-A | Midwestern Wholesalers | - | 0% | 0% |
| 1-07-55-10-B | Ken's Stakes & Supplies | 7059 | 100% | 0% |

ATTACHMENTS

Attachment A – Contract Pricing
Attachment B – Specification, Wood Laminated Box Posts
Attachment C – Specification, Wood Survey Stakes and Lath
Attachment D – Specification, Attachment F – Wooden Pallet Specification, 3990-01A-01

| Group 3 - Wood Laminated Box Posts | | | | Contractor: Midwestern Wholesalers | |
|------------------------------------|------|-----------------|--|------------------------------------|-------------|
| Line Item | Unit | Commodity # | Descriptions | CalTrans (CT) Number | Unit Price |
| 23 | EA | 5510-600-0210-5 | Post Wood Sign, Type M 20', Laminated Box Beam | 5510-0501-0 | 470.00 /EA |
| 24 | EA | 5510-600-0210-5 | Post Wood Sign, Type M 24', Laminated Box Beam | 5510-0502-2 | 562.00 /EA |
| 25 | EA | 5510-600-0210-5 | Post Wood Sign, Type M 28', Laminated Box Beam | 5510-0503-4 | 655.00 /EA |
| 26 | EA | 5510-600-0210-5 | Post Wood Sign, Type M 32', Laminated Box Beam | 5510-0504-6 | 750.00 /EA |
| 27 | EA | 5510-600-0210-5 | Post Wood Sign, Type L 24', Laminated Box Beam | 5510-0505-9 | 700.00 /EA |
| 28 | EA | 5510-600-0210-5 | Post Wood Sign, Type L 28', Laminated Box Beam | 5510-0506-1 | 815.00 /EA |
| 29 | EA | 5510-600-0210-5 | Post Wood Sign, Type L 32', Laminated Box Beam | 5510-0507-3 | 930.00 /EA |
| 30 | EA | 5510-600-0210-5 | Post Wood Sign, Type L 40', Laminated Box Beam | 5510-0508-5 | 1165.00 /EA |

| Group 4 - Wooden Survey Stakes and Lath | | | | Contractor: Ken's Stakes & Supplies | |
|---|------|-----------------|--|-------------------------------------|------------|
| Line Item | Unit | Commodity # | Descriptions | CalTrans (CT) Number | Unit Price |
| 31 | CT | 5510-600-0010-8 | Stake Wood Surveying, 1" x 2" x 9" Markers, 100 Per Carton | 5510-0010-8 | 20.00 /CT |
| 32 | CT | 5510-600-0010-8 | Stake Wood Surveying, 1" x 2" x 18" Markers, 50 Per Carton | 5510-0020-9 | 20.00 /CT |
| 33 | CT | 5510-600-0010-8 | Stake Wood Surveying, 1" x 1" x 8" Ginnies, 200 Per Carton | 5510-0070-4 | 30.00 /CT |
| 34 | CT | 5510-600-0010-8 | Stake Wood Surveying, 2" x 2" x 8" Hubs, 50 Per Carton | 5510-0080-5 | 20.00 /CT |
| 35 | CT | 5510-600-0010-8 | Stake Wood Surveying, 2" x 2" x 12" Hubs, 25 Per Carton | 5510-0090-6 | 15.00 /CT |
| 36 | CT | 5510-600-0010-8 | Stake Wood Surveying, 2" x 2" x 18" Hubs, 25 Per Carton | 5510-0100-9 | 15.00 /CT |
| 37 | BD | 5510-133-2181-8 | Lath Wood, 5/16" x 1-1/2" x 24" Pointed, 50 Per Bundle or Carton | 5510-0110-0 | 15.00 /BD |
| 38 | BD | 5510-133-2181-8 | Lath Wood, 5/16" x 1-1/2" x 48" Pointed, 50 Per Bundle or Carton | 5510-0120-1 | 25.00 /BD |

JULY 2007

**STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROCUREMENT AND CONTRACTS
1727 30TH STREET
SACRAMENTO, CA 95816**

SPECIFICATIONS FOR LAMINATED WOOD BOX POSTS FOR ROADSIDE SIGNS

CALTRANS STOCK NUMBER (CT#)

| | |
|--------------------|--------------------|
| 5510-0501-0 | 5510-0505-9 |
| 5510-0502-2 | 5510-0506-1 |
| 5510-0503-4 | 5510-0507-3 |
| 5510-0504-6 | 5510-0508-5 |

I.0 GENERAL REQUIREMENTS

Laminated wood box posts shall conform to the details on page 308 (RS3) in the State of California, Department of Transportation (DOT) Standard Plans, dated May 2006 and the following requirements:

The four sides of each box post shall be made of laminated veneer lumber (LVL) manufactured by gluing together 1/10-inch or 1/8-inch thick douglas fir veneers in a continuous process with the grain parallel to the length of the posts. The lumber shall be laminated and fabricated in a plant using a process approved by the National Research Board of the Council of American Building Officials.

The veneer shall be end jointed with a lap splice or butt joint. Each post side shall have no joints other than those required for laminating and jointing the veneers and those at the post corners. The veneers shall be C or D grade or better, and dried to a moisture content of 6 percent or less. Veneers shall be graded by ultrasonic or other approved non-visual methods. The adhesive used to laminate the veneers shall be phenol formaldehyde conforming to the requirements in ASTM Designation: D2559. Adhesive shall be applied by a curtain coater or other approved mechanical method.

The corner joints of the laminated veneer lumber posts shall be either a 45 degree miter or other equally strong joint approved by Caltrans, and shall be glued together using a phenol resorcinol adhesive. This adhesive shall conform to the requirements in ASTM Designation: D2559.

The laminated veneer lumber shall have a minimum mean modulus of rupture of 8,000 psi, based on 10 or more samples of the laminated veneer lumber shown on the plans.

The moving average edge bending strength of 30 or more samples of 2-1/4 inch wide specimens shall be 9900 +/- 990 psi. The above mechanical properties shall be determined in accordance with the requirements in ASTM Designation: D198.

The ultimate shear strength of each finished box section shall be a minimum of 700 psi. Said shear strength shall be verified by sampling and testing one untreated post from each 100 posts in a production lot. For production lots less than 100, one post shall be sampled and tested. A galvanized sheet metal top cap shall be attached to one end of each post and a wooden bottom cap attached to the opposite end using hot-dip galvanized nails, as shown in the attached detail drawing on Page 8. The sheet metal cap shall be 0.035 inch thick and shall be commercial quality. One 7/8-inch-thick exterior grade plywood cap (structural CD or better) shall be furnished for the bottom end of each post. Bottom cap sizes shall be 7-7/8" x 11" for Type L posts and 7-7/8" x 4" for Type M posts. Each bottom cap shall be centered and attached with four hot-dip galvanized nails prior to treating with preservative.

2.0 WOOD PRESERVATIVE TREATMENT REQUIREMENTS

The posts shall be treated, after fabrication, with pentachlorophenol in a type C hydrocarbon solvent carrier in accordance with the requirements in AWWA, Use Category 4A (plywood) for ground contact (0.5 pcf minimum retention), using a modified treatment procedure as described below.

MODIFIED AWWA "USE CATEGORY 4A TREATMENT PROCEDURE" FOR PENTACHLOROPHENOL PRESERVATIVE TREATING OF LAMINATED VENEER LUMBER BREAKAWAY HIGHWAY SIGN POSTS

2.1 MATERIAL PREPARATION

- A. No end sealing prior to treating is allowed.
- B. All laminated veneer lumber shall be kept dry.
- C. This treating specification shall be sent to the treater along with treatment request for each retort charge. Subject request shall specify wood volume/bundle, desired retention, drying specification, and job order number.

2.2 PRESERVATIVE MATERIAL

- A. The preservative, pentachlorophenol, shall conform to the most recent revision of American Wood Preservers Association (AWPA) Standard P8 Part 1.
- B. The oil-borne solvent shall conform to the most recent revision of AWWA Standard P9 Part 1 for Type C - Light Oil.

2.3. TREATING PROCEDURE

- A. No incising shall be allowed.
- B. All banding shall be loosened prior to treating. Stickers will be placed between box posts. 2"x 4" stickers shall be evenly spaced between box posts; 2" x 4"s shall be placed on top and bottom directly beneath banding (at sticker locations) with loose banding over them; stickers will be placed at a maximum of 4 feet on centers.]
- C. The empty cell process is required for treatment. Other treatment processes may be proposed, but must be approved by the Engineer and post manufacturer.
- D. Treating parameters shall be limited as follows:
 - a. No pre-treatment steaming is allowed.
 - b. Maximum pressure shall be 100 psig.
 - c. Maximum temperature of solvent shall be 195 degrees F.
 - d. Maximum pressure period shall be 5 1/2 hours.

The pressure release rate to zero pressure shall be uniform and be no faster than 10 minutes. Expansion bath is allowed, the maximum temperature shall be 205 degrees F, for no more than 2 hours. The maximum duration of post-treating steaming shall be 2 hours. Maximum temperature of post-treating steaming shall be 230 degrees F. No box post will be treated more than once.

2.4 TREATING RESULTS

- A. Penetration shall be 90% or greater at any depth, through the thickness. AWPA Standard A3 Part 3 or 4 should be used to verify penetration on all cores, with no less than 80% of the borings meeting the penetration requirement. See AWPA Standard M2.
- B. The average retention through the entire thickness of laminated veneer lumber for a given charge shall be a minimum of 0.50 pounds per cubic foot.

2.5 TREATING ANALYSIS

- A. A minimum of 20 borings of laminated veneer lumber per charge shall be taken from the boxes for assay.
- B. Analysis core shall be removed from boxes located in the upper and lower 10% of the retort charge, and from end and middle of retort charge.
- C. All cores shall be removed from boxes with a sharp instrument yielding a single core of wood (i.e., no shavings or chips allowed in assay). All holes from boring shall be filled with treated plugs.

- D. All cores removed from box posts should be taken in the middle areas of the walls and at least 2 feet from ends. No more than two cores per post are allowed.
- E. Chemical analysis shall be per AWP Standard A5 (Standard Methods for Oil Borne Preservative) Part 5, lime ignition method, or Part 6 Copper pyridine method, or per AWP Standard A9, provided a standard of untreated laminated veneer lumber is used to calibrate the instrument to avoid erroneous results from interaction with the adhesive.
- F. Each core shall meet the penetration requirements in section 2.4, A.
- G. The average retention shall meet requirements in section 2.4, B.

2.6. TREATMENT/CHARGE REPORT

- A. The treatment/charge report shall be produced and shall include a copy of the treating record, time versus pressure treatment chart, analysis results, and certificate of treatment.

3.0 WATERPROOF COATING REQUIREMENTS

After posts are treated with the wood preservative, all exterior surfaces, except for the bottom four feet and plywood end cap, shall be coated with a single component waterproofing material.

| | ASTM Designation | Specification |
|--------------------------------|---------------------|---------------|
| Nonvolatile, weight %, minimum | D 2369 | 66 |
| Tensile strength, psi, minimum | D 412 | 150 |
| Elongation, %, minimum | D412 | 250 |
| Hardness, Shore A | D 2240 | 60-70 |

For each purchase order, a quart sample of the waterproofing material shall be submitted to the Caltrans Transportation Laboratory, 5900 Folsom Blvd., Sacramento, 95819, attn. Lisa Dobeck, for evaluation three weeks prior to when coating of the posts is scheduled. Waterproofing material whose physical properties fail to comply with these properties shall be cause for rejection.

Waterproofing Material Specifications and Application Procedure:

Unless otherwise stated in these specifications, painting shall be performed in accordance with Section 59, "Painting", of the current Caltrans Specifications. Adhesion of waterproofing material to the post will be tested in accordance with ASTM D3359, method A using Permacel 99 tape. An adhesion scale rating of 5A is required. The color of the coating shall conform to Color No. 20122 (Medium brown) of Federal Standard 595b.

Any blistering, peeling, cracking or checking of the coated post surface present at the time of delivery shall be cause for repair or replacement by the contractor at his expense.

The following procedures are to be followed when applying waterproofing material:

- A. Posts shall be air-dried a minimum of 14 days (or until all of the mineral spirits/carrier has evaporated) after penta treatment and before application of the waterproofing material to ensure good adhesion. The outer surface of the posts shall not be contaminated with any residue that might inhibit the adhesion of the waterproofing material. Moisture content of posts must be no more than 20% when the waterproofing material is applied.
- B. Waterproofing material may be applied by spraying or rolling onto posts. No thinning of the material is permitted.
- C. The waterproofing material is to be applied in two coats to produce a minimum dry film thickness of 0.015 inch (15 mils).
- D. Sufficient drying time shall be provided for undisturbed curing of waterproofing membrane.

4.0 INSPECTION

- 1. Post delivered will be inspected by the Department of Transportation. Material not meeting specification due to excess moisture content and treatment residue, warping, improper bundling, etc. will be rejected and returned to the treatment facility at the contract holders expense.
- 2. The State may, at their discretion, inspect the condition of the posts at any time to insure that requirements have been met. Prior to acceptance, any posts having less than the required thickness of waterproofing coating shall be re-coated and all scuffed or damaged areas of waterproofing material shall be feather-sanded and re-coated at the contractor's expense. A final inspection will be made by the State when the finished posts are delivered. Material that does not conform to the specifications will be rejected.

5.0 REQUIRED MARKING ON THE POSTS

The name and address of the post manufacturer, date of manufacture and lot number shall be stamped on corrosion-resistant plates and securely attached 15 feet from the bottom of each post.

6.0 PROPER HANDLING AND STORAGE PROCEDURES FOR LAMINATED WOOD BOX POSTS

It is the responsibility of the successful bidder to insure that the posts are properly bundled (see page 8) for shipping and be adequately covered during inclement weather during the entire treatment process until the posts are delivered to the State. The following attached handling and storage techniques shall be followed:

General Handling:

The sign posts shall be handled with care to avoid damage. Laminated wood box sign posts shall not be dropped or abused, as rough abuse by careless crane or forklift operators can easily damage the product and render them useless.

Storage:

While posts are stacked, they must be oriented with their flanges (the narrow sides of the posts) horizontal as shown in Figure 2 on page 8. Stickers shall be placed between each layer of sign posts at the quarter points of the posts to insure adequate ventilation and prevent warping. When either shipping or storing bundles of sign posts, blocking, which is at least 6 inches thick, shall be furnished beneath the bundles at the quarter points to minimize damage from forklift handling and moisture from the ground. See Figure 3 on page 8 for an example of a properly prepared bundle of sign posts. Stacking of bundles is permitted.

Prolonged exposure of the posts to rain and/or sunlight may cause serious deterioration and checking of the laminated wood. For this reason, the posts should be stored under some form of cover that protects them from the elements until they are installed. When not stored indoors or under a permanent roof, the top of the bundles shall be covered by either a tarpaulin, or heavy plastic loosely draped over the top of the post stack. This will provide for adequate air circulation, yet will not allow condensation to accumulate.

7.0. DELIVERY

The successful bidder shall be responsible for all necessary transportation and shall deliver the finished posts to the Department of Transportation, Sacramento Warehouse, 2001 Evergreen Street, Sacramento, CA 95815. Posts shall be delivered on a flatbed truck in such a manner that they can be readily unloaded by means of a forklift. Stacking and Storage shall conform to page 8 of this specification.

Note: Posts shall be delivered, with like lengths and type banded together in separate bundles. Any bundles containing mixed lengths or post types will be rejected.

8.0 FINAL INSPECTION

Items delivered will be inspected by the Department of Transportation. Material not meeting specifications will be rejected. Time required for testing shall not exceed thirty (30) days.

For each truckload of posts and blocks delivered, it is the responsibility of the supplier (holder of the purchase order) to ensure that all of the below listed reports/certifications are provided prior to, or at time of delivery to the Department of Transportation. All reports/certifications must be complete and legible.

1. Certificate of Treatment to include product name, size and quantity
2. Certified Treatment/Charge Report
3. Assay Report
4. Certified Grading Reports
5. Certificate of Compliance (refer to current issue of DOT Standard Specifications section 6-1.07)
6. Material Safety Data Sheet (MSDS)

The DOT Purchase Order number must be shown on all reports/certifications. For each truckload, **the “Certified Treatment/Charge Report” must display the shipping number (taken from “Straight Bill of Lading”)** next to each quantity/size of posts being delivered. Any truckload not in compliance with these requirements will be subject to rejection and returned freight collect.

It is recommended that supplier contact DOT contact person (noted on the purchase order) after receipt of purchase order to discuss specific requirements such as reports, certifications and imprinting as this may help minimize any delays in the inspection and payment process.

JULY 2007

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROCUREMENT AND CONTRACTS
1727 30TH STREET
SACRAMENTO, CA 95816

SPECIFICATIONS FOR WOODEN SURVEY STAKES

CALTRANS STOCK NUMBER (CT #)

| | | |
|-------------|-------------|-------------|
| 5510-0010-8 | 5510-0020-9 | 5510-0040-1 |
| 5510-0050-2 | 5510-0060-3 | 5510-0070-4 |
| 5510-0080-5 | 5510-0090-6 | 5510-0100-9 |
| 5510-0110-0 | 5510-0120-1 | |

1.0 SCOPE

This specification covers the State of California requirements for wooden survey stakes. The wooden survey stakes shall be classified as either "markers" or "positioners" and be the size and shape specified under Section 3.3, Dimensions and Tolerances, of these specifications. They shall be packaged and palletized as specified under Section 5, Preparation for Delivery, of these specifications and delivered to the location specified in the bid.

2.0 APPLICABLE SPECIFICATIONS

The following specifications and standards in effect on the date of the Invitation for Bid form a part of this specification where referenced.

State of California Specification, 3990-01A-01, Dated January 2001, Pallets, Wooden.

West Coast Lumber Inspection Bureau Standard Grading Rules.

ANSI/ASQC Z1.4.

3.0 REQUIREMENT

3.1 Material:

All wooden survey stake "markers" shall be cut from pine or fir. They shall be sun or kiln dried to a maximum moisture content of 20%. Wooden Survey Stake "positioners" may be cut from any commercial species of lumber. They shall be sun or kiln dried to a maximum moisture content of 20%. The wooden survey stakes shall be dry, clean and straight grained.

3.2 Defects:

The following defects will not be allowed in the finished stakes:

The definitions of these defects are taken from the West Coast Lumber Inspection Bureau Standard Grading Rules.

- a. No cross grain with slope greater than 1 in 6 will be allowed.
- b. No visible splits will be allowed.
- c. No visible bark, pitch pockets, grey rot or decay will be allowed.
- d. Only tight knots with the greatest diameter 1/2" or less will be allowed, and shall only be on the widest dimension. There shall be only one (1) knot per piece for stake markers and no knots on lath markers.
- e. Only pin holes of not more than 1/16" will be allowed. Not more than 2 pin holes per piece will be allowed.
- f. No wane will be accepted that is greater than is allowed for eased edges, (i.e., 1/16" for 1" thick, 1/8" for 2" thick).
- g. No discoloration or staining will be allowed that will prevent legible printed script from being read at a point 8' from the stake.
- h. The wooden survey stakes shall not be warped more than indicated below. The warp shall be measured by placing the stake on a flat surface and measuring the distance between the flat surface and any part of the stake that does not touch the flat surface.

The measurement shall be made perpendicular to the flat surface. The Distance so measured shall be considered the warp. Maximum acceptable

warp: 18" and under stake - 1/4"; 24" and 30" stake 3/8"; 36" and longer stake 1/2".

3.3 Dimensions and Tolerances:

3.3.1 Wooden survey stake "markers" shall be the size and shape shown in attached page 9 labeled MARKERS.

On the 1" x 2" x 18" stake markers and the lath markers slightly blunt points up to 1/8" flat will be acceptable. Points shall be within 1/16" either side of the center of the stake.

Two diagonal markers are obtained from one 2" x 4" (nominal) or one 1" x 4" (nominal) cut diagonally.

3.3.2 Wooden survey stake "positioners" shall be the size and shape shown in attached page 8 labeled POSITIONERS.

Ginnie positioners may be either square or round and may be pencil pointed.

Slightly blunt points up to 1/8" flat will be acceptable. Points shall be within 1/16" either side of the center of the ginnie.

3.4 Finished Surfaces:

Wooden survey stake "positioners" may be saw-sized or surfaced. Mill run surfaces are unacceptable. Edges and points must be free of all visible burrs, splinters, or tears.

All other markers shall be surfaced two sides (S2S) on their widest dimension. In lieu of planing, lath and diagonals may have saw-sized surfaces if a "planer" blade is used, providing the surfaces have a smoothness and uniformity similar to that produced by a planer. Edges and points must be free of all visible burrs, splinters, or tears.

4.0 QUALITY ASSURANCE PROVISIONS

4.1 Inspection:

The wooden survey stake "markers" and wooden survey stake "positioners" will be inspected and tested for compliance to this specification. Sampling and inspection by attributes shall be in accordance with ANSI/ASQC Z1.4. For purposes of inspection, an inspection lot shall be defined as one delivery to one agency at one time.

4.2 Sample Size:

Inspection levels and the acceptability levels for Wooden Survey Stakes shall be in conformance with Tables listed in ANSI/ASQC Z1.4. The sample size code letter shall be determined from Special Inspection Level S-4 contained in Table 1. The sample size code letter derived from Table 1 will be used to determine the sample size from Table II-A. An Acceptance Quality Level of 6.5 in Table II-A will be used to determine the acceptance and rejection numbers of the bundles and cartons to be inspected.

A sample size code letter shall be determined for each item listed in the Purchase Order item's lot size number, used to determine sample size code letter derived from Table I, shall be based on the number of cartons or bundles contained in each delivery lot. Only full bundles or cartons will be pulled as inspection samples. Any bundle or carton inspected that has in excess of 20 percent rejected pieces will cause that bundle or carton to be rejected.

Rejection of inspected pieces is based on their **not** meeting requirements set forth under Section 3 of these specifications.

5.0 PREPARATION FOR DELIVERY

5.1 Packaging of wooden survey stake "markers":

- a. 1" x 2" x 18" stake "markers" shall be packaged 50 per carton.
- b. 2" x 4" x 24", 30", and 36" diagonal "markers" shall be packaged in bundles of 30 as illustrated below.

Binding: 16 gauge, annealed galvanized wire or plastic strapping

1/4" min. plywood or 5/8" thickness board, fully covering both ends.

Tie wires or straps shall be carefully centered and applied parallel with the sides or ends of bundle. Particular care shall be exerted to insure that the wires or straps are drawn taut to provide a firm and rigid bundle. Loose or incorrectly applied bindings will be considered as failure to comply with this specification.

In lieu of above, diagonal markers may be packaged in cartons per Paragraph 5.3.

- c. 1" x 4" x 18" diagonal markers shall be packaged in bundles of 60 as illustrated below or placed in carton with 60 markers to a carton.

Binding: 16 gauge, annealed galvanized wire or plastic strapping.

1/4" min. plywood or 5/8" thickness board, fully covering both ends.

Tie wires or straps shall be carefully centered and applied parallel with the sides or ends of bundle. Particular care shall be exerted to insure that the wires or straps are drawn taut to provide a firm and rigid bundle. Loose or incorrectly applied bindings will be considered as failure to comply with specifications.

- d. 48" lath markers shall be packed in bundles of 50, securely tied with 16 gauge annealed galvanized wire or plastic strapping at both ends of bundle. Ties must be tight on arrival of bundle at point of delivery.
- e. 24" lath markers shall be packaged 50 per carton or bundle.

5.2 Packaging of Wooden Survey Stake "Positioners":

- a. 1" x 2" x 9" stake "positioners" shall be packaged 100 per carton.
- b. 2" x 2" x 8" hub "positioners" 50 per carton.
2" x 2" x 12" hub "positioners" 25 per carton.
- c. Ginnie "positioners" shall be packaged 200 per carton.

5.3 Cartons:

Cartons shall be fabricated from double-faced "C" flute single wall RSC glued or stapled. Bursting test - 125 lbs. per square inch. Minimum combined weight of facing 52 lbs. per M square inch.

Each carton shall be printed or stenciled (1/2" high) with quantity, size of contents and vendor's name on one end.

Bottom and top of all cartons shall be sealed with one strip of pressure-sensitive tape 2" wide or gummed tape a minimum of 2-1/2" wide, 60 lbs. minimum.

The carton size shall be such that the prescribed number of stakes will be held firmly without unnecessary movement. The top of the carton shall fold down close to the stakes to prevent crushing of the carton.

5.4 Palletizing:

Pallet construction shall conform to State of California Specification, 3990-01A-01, Dated January 2001, Pallets, Wooden.

Pallets shall be Type 2 and of the size shown for the particular markers or positioners being palletized.

The following markers and positioners will be palletized on 44" x 44" pallets as shown on the attached drawings:

1" x 4" x 18" diagonal markers, 40 cartons - 5 tiers high

2" x 4" x 30" diagonal markers, 24 bundles or cartons - 6 tiers high

2" x 2" x 8" hub positioners, 36 cartons - 3 tiers high

2" x 2" x 12" hub positioners, 80 cartons - 5 tiers high

2" x 2" x 18" hub positioners, 60 cartons - 5 tiers high

1" x 1" x 8" ginnie positioners, 60 cartons - 5 tiers high

The following markers and positioners will be palletized on 44" x 46" pallets as shown on the attached drawings:

1" x 2" 18" marker, 60 cartons - 5 tiers high

1" x 2" x 9" positioner, 60 cartons - 5 tiers high

The following marker will be palletized on 44" x 48" pallets as shown on the attached drawing:

2" x 4" x 36" diagonal markers, 30 bundles or carton - 6 tiers high

The following marker will be palletized on 48" x 48" pallets as shown on the attached drawing:

2" x 4" x 24" diagonal markers, 48 bundles or cartons - 6 tiers high

48" lath markers, 72 bundles - 12 tiers high

The following marker will be palletized on 42" x 48" pallets as shown on the attached drawing:

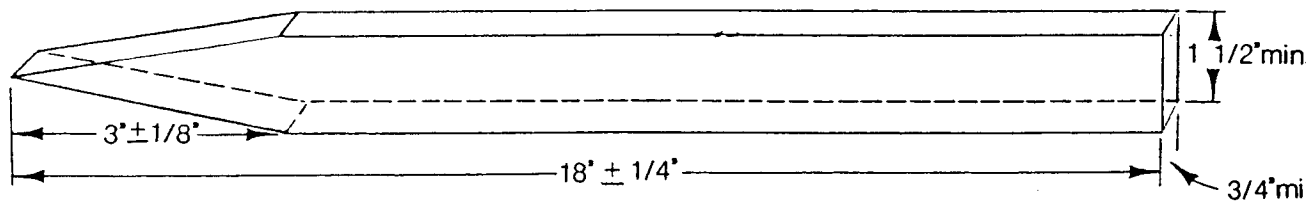
24" lath markers, 50 cartons - 5 tiers high

5.5 Delivery:

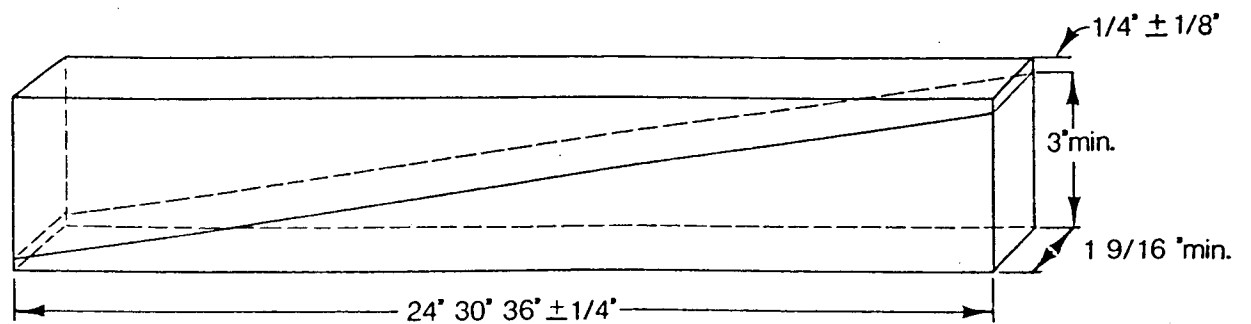
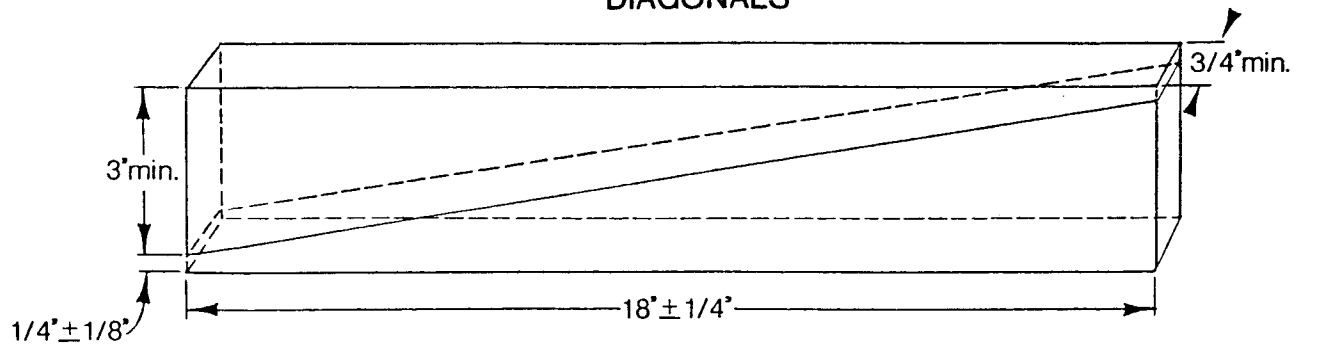
Wooden surveys stakes are to be kept dry at all times prior to being received at the specified delivery location.

Survey Stakes and Lath will be inspected by the Department of Transportation. Material not meeting specification will be rejected and returned at the contract holder's expense.

STAKE



DIAGONALS



LATH

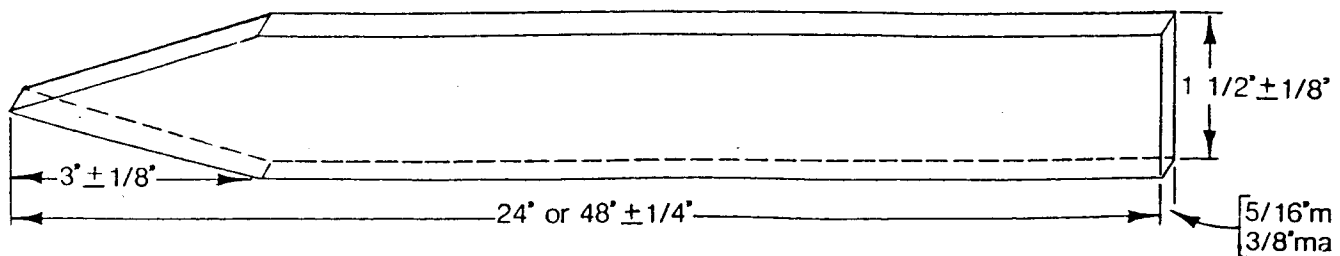
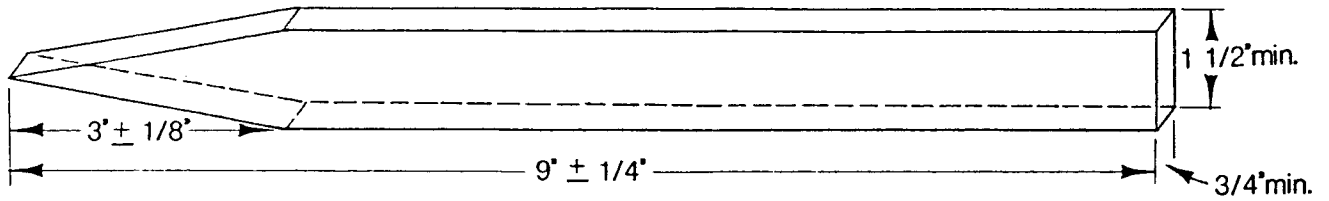
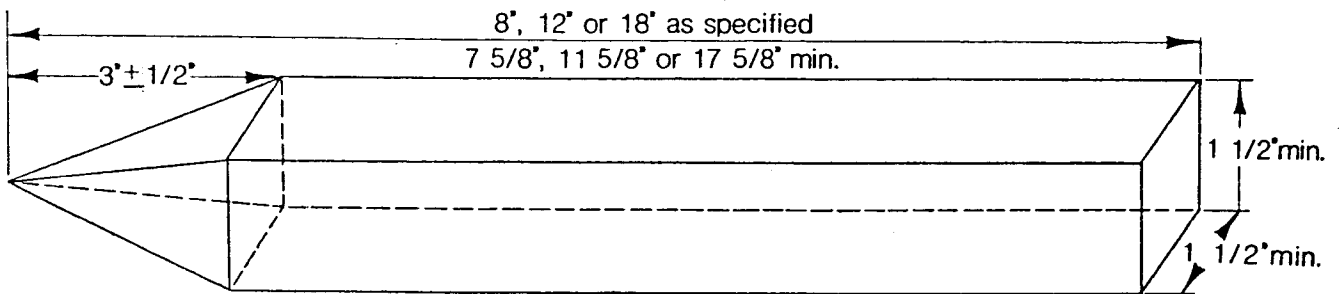


Figure 1

STAKE



HUB



GINNIE

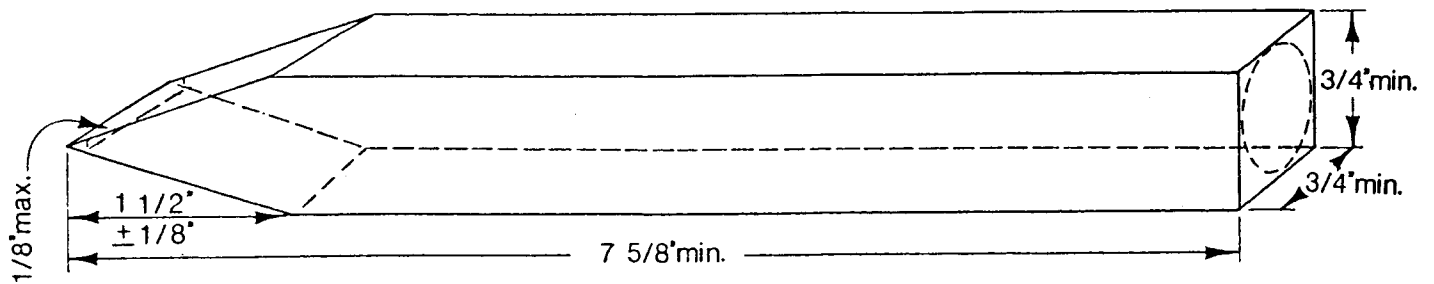
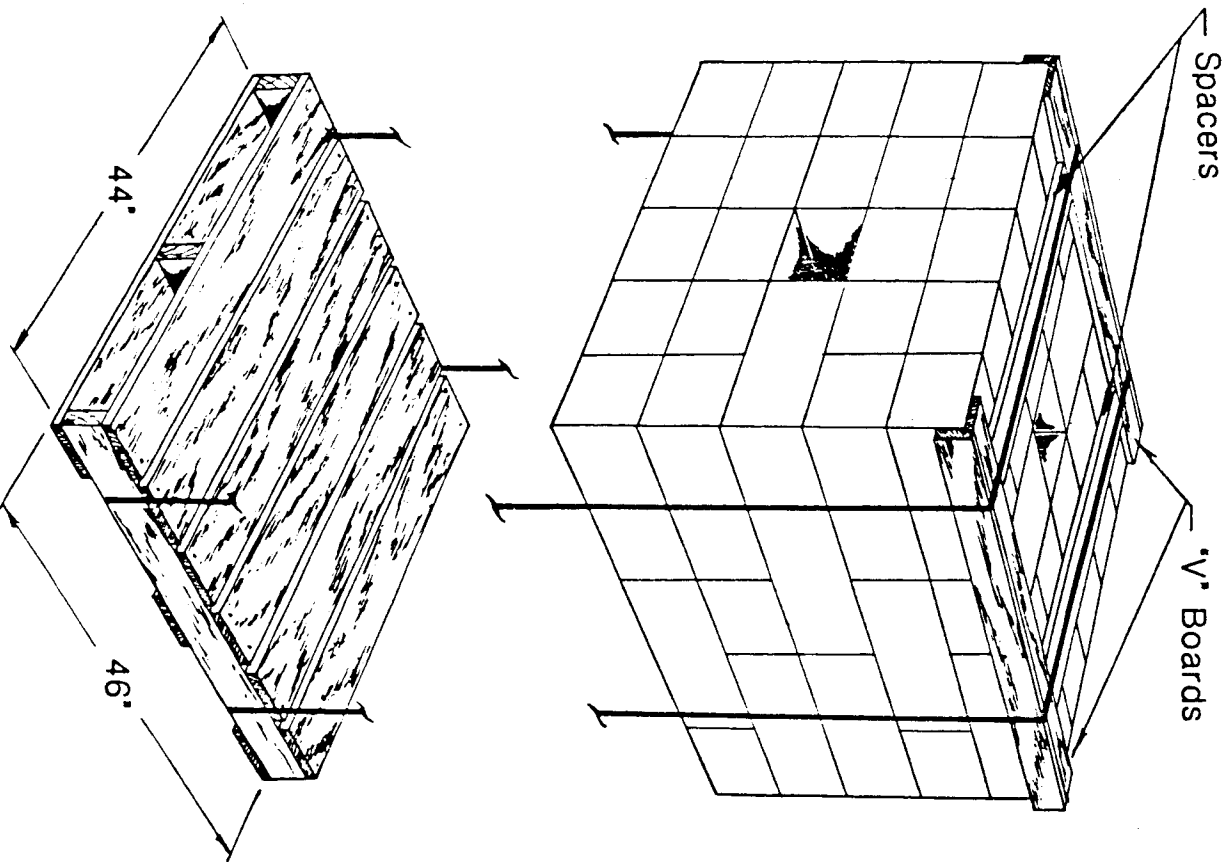


Figure 2



NOTE:

"V" Boards: 1"x4" D.F., grade no.2,

46" long

Spacers: 1"x4" D.F., grade no.2,

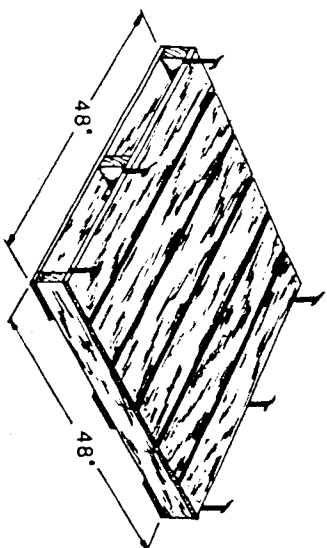
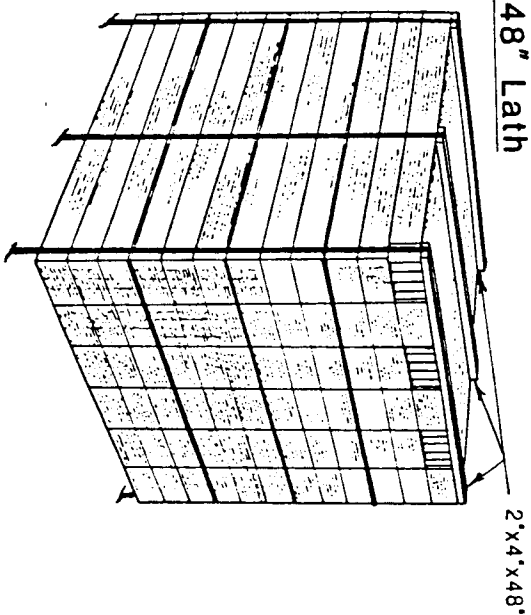
Strapping: 3" x .020 steel or 1" x .020 plastic

Stacking: 60 Cartons - 5 Tiers high

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OFFICE OF BUSINESS MGT.
MATERIAL OPERATIONS

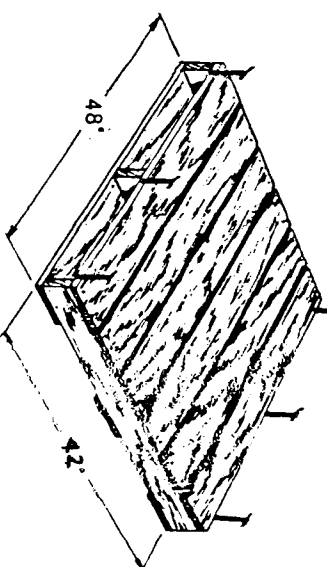
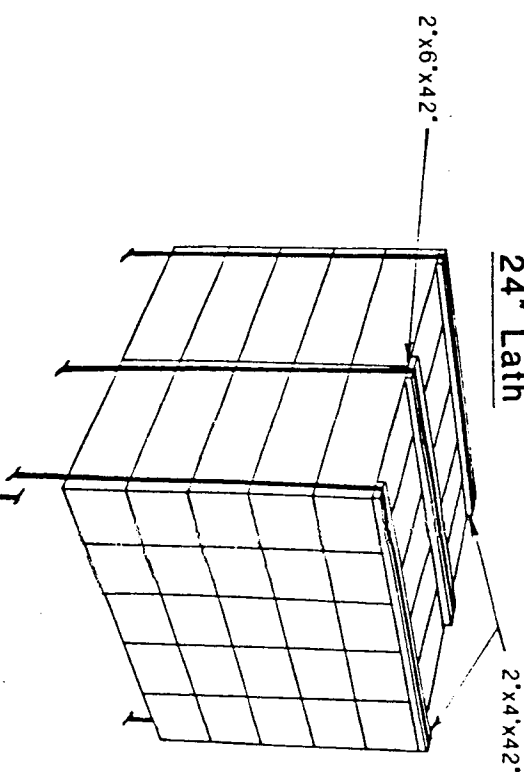
PALLETIZING OF 1"x2"x9"
POSITIONERS & 1"x2"x18"
MARKERS

48" Lath



72 Bundles, 12 tiers high

24" Lath



50 Cartons, 5 tiers high

NOTE:

Stacking :- Alternate top bundles only.

Between the 3rd-4th, 6th-7th, and 9th-10th tiers.

a minimum of 8 cross lath shall be placed as shown (2 under each strap) and one between straps). These lath may be seconds or bldrs. lath.

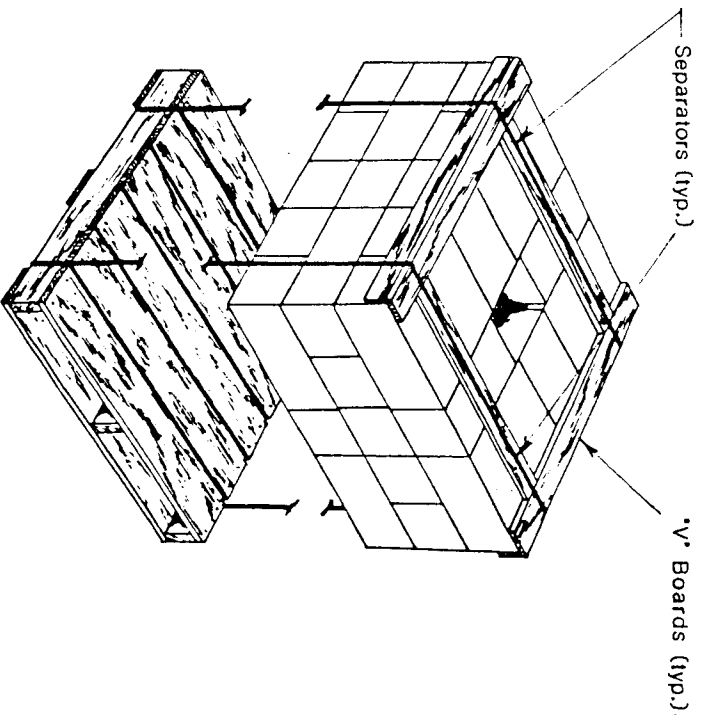
Strapping: $\frac{3}{4}$ " x .020 steel or $\frac{1}{2}$ " x .020 plastic

Top cross members: 2"x4" & 2"x6" D.F. grade no.2

PALLETIZING of LATH

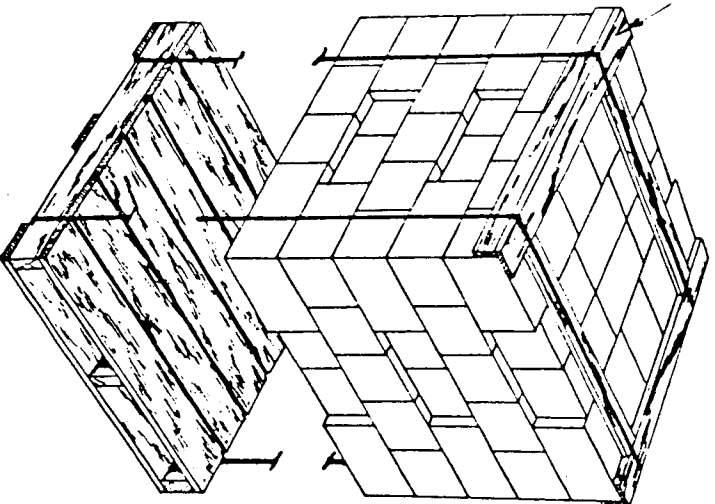
STATE OF CALIF.-DEPT. OF TRANSPORTATION
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MATERIAL OPERATIONS

2" x 2" x 8" Hubs



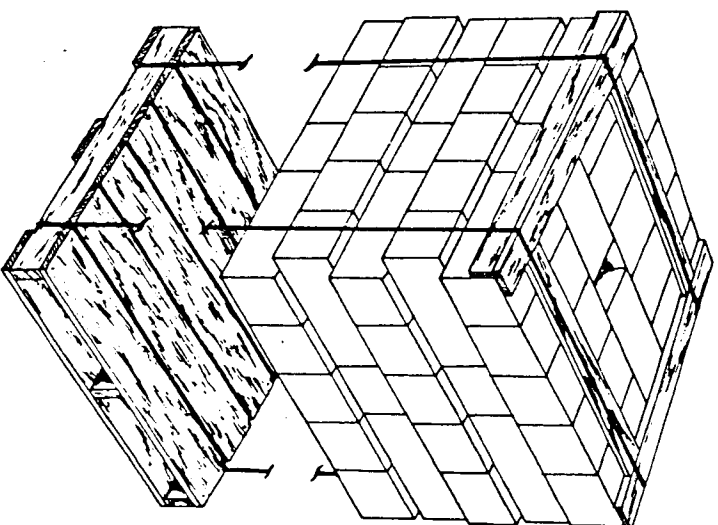
36 Bundles or Cartons, 3 Tiers high

2" x 2" x 12" Hubs



80 Bundles or Cartons, 5 Tiers high

2" x 2" x 18" Hubs



60 Bundles or Cartons , 5 Tiers high

NOTE:

Pallet dimensions: 44' x 44'

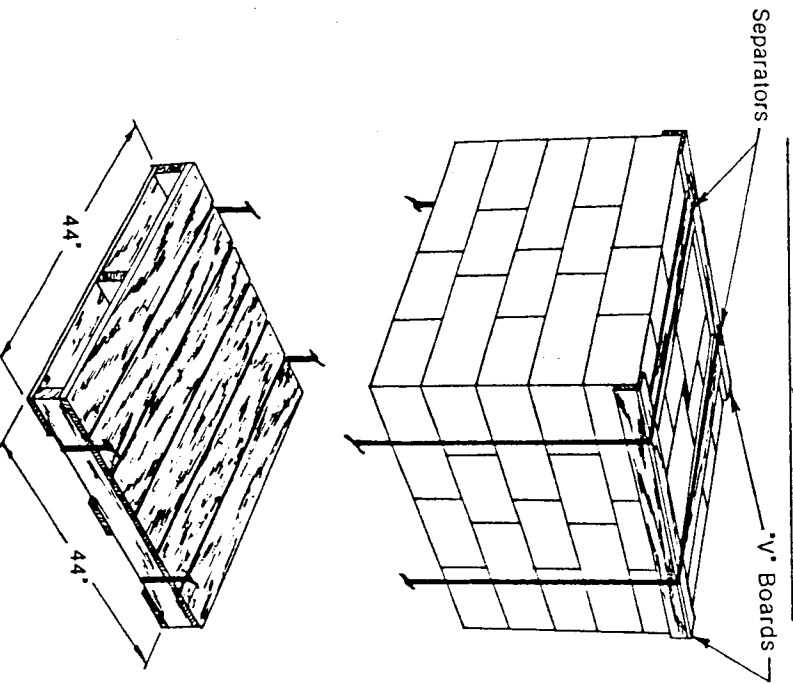
V- Boards and Separators: 1' x 4' D.F., grade no.2

Strapping: $\frac{3}{4}$ x .020 steel or $\frac{1}{2}$ x .020 plastic

STATE OF CALIF.-DEPT OF TRANSPORTATION
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MATERIAL OPERATIONS

**PALLETIZING of HUB
POSITIONERS**

1"x4"x18" Diagonal Markers



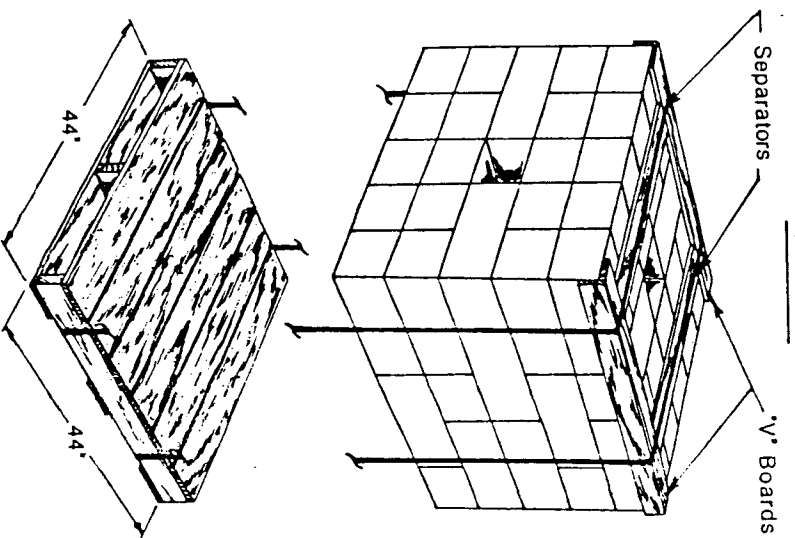
40 Bundles or Cartons, 5 Tiers high

NOTE:

'V' Boards & Separators: 1"x4" D.F., grade no.2

Strapping: $\frac{3}{4}$ " x .020 steel or $\frac{1}{2}$ " x .020 plastic

Ginnies

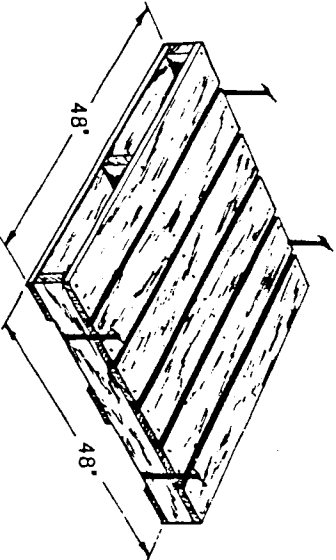
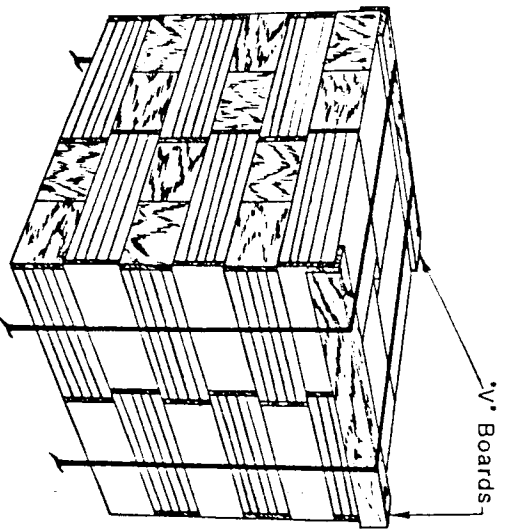


60 Cartons, 5 Tiers high

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MATERIAL OPERATIONS

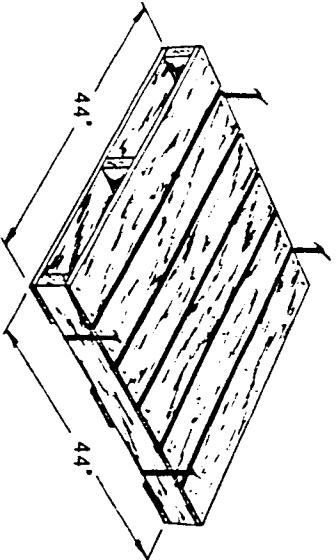
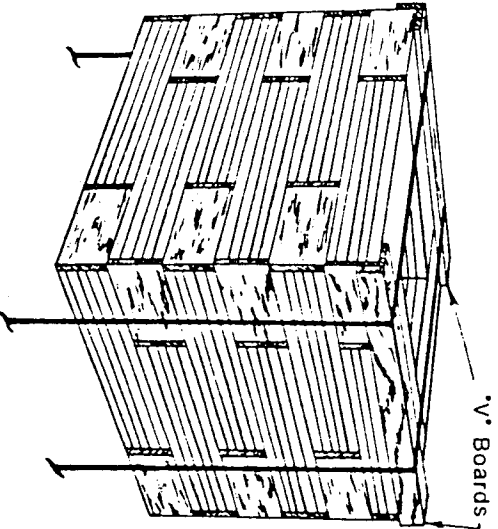
PALLETIZING of GINNIES
and 1"x4"x18" Diagonal Markers

2"x4"x24" Diagonal Markers



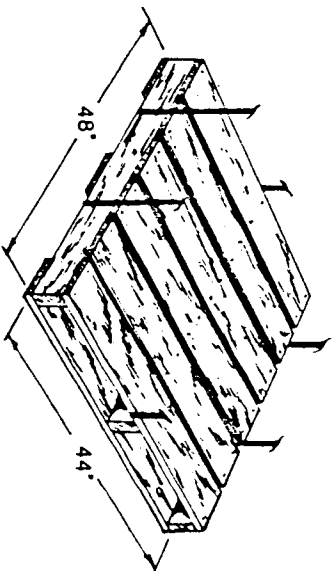
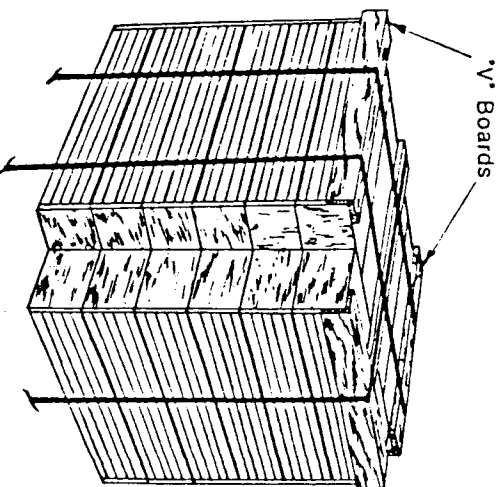
48 Bundles or Cartons, 6 Tiers high

2"x4"x30" Diagonal Markers



24 Bundles or Cartons, 6 Tiers high

2"x4"x36" Diagonal Markers



30 Bundles or Cartons, 6 Tiers high

NOTE:

"V" Boards: 1"x4" D.F., grade no.2 (length and variable with pallet size).
 When cartons are used, use separators (see sketch "PALLETIZING of HUBS")
Strapping: $\frac{3}{4}$ " x .020 steel or $\frac{1}{2}$ " x .020 plastic

PALLETIZING of DIAGONAL MARKERS

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 MATERIAL OPERATIONS

2'x4'x24', 2'x4'x30' & 2'x4'x36'

STATE OF CALIFORNIA SPECIFICATION PALLETS, WOODEN

1 SCOPE

This specification covers pallets intended for use with low lift pallet trucks or forklift trucks.

2 SPECIFICATION AND STANDARDS

Specifications and standards referenced in this document in effect on the opening of the Invitation for Bid form a part of this specification where referenced.

3 REQUIREMENTS

3.1 Material

The pallets shall be constructed from nominal size standard or better (West Coast Lumber Inspection Bureau, Standard Grading Rules for West Coast Lumber) grade Douglas Fir, Hemlock, Larch or Hem-Fir. The stringers shall be S4S and the decking S4S or S1S2E (re-

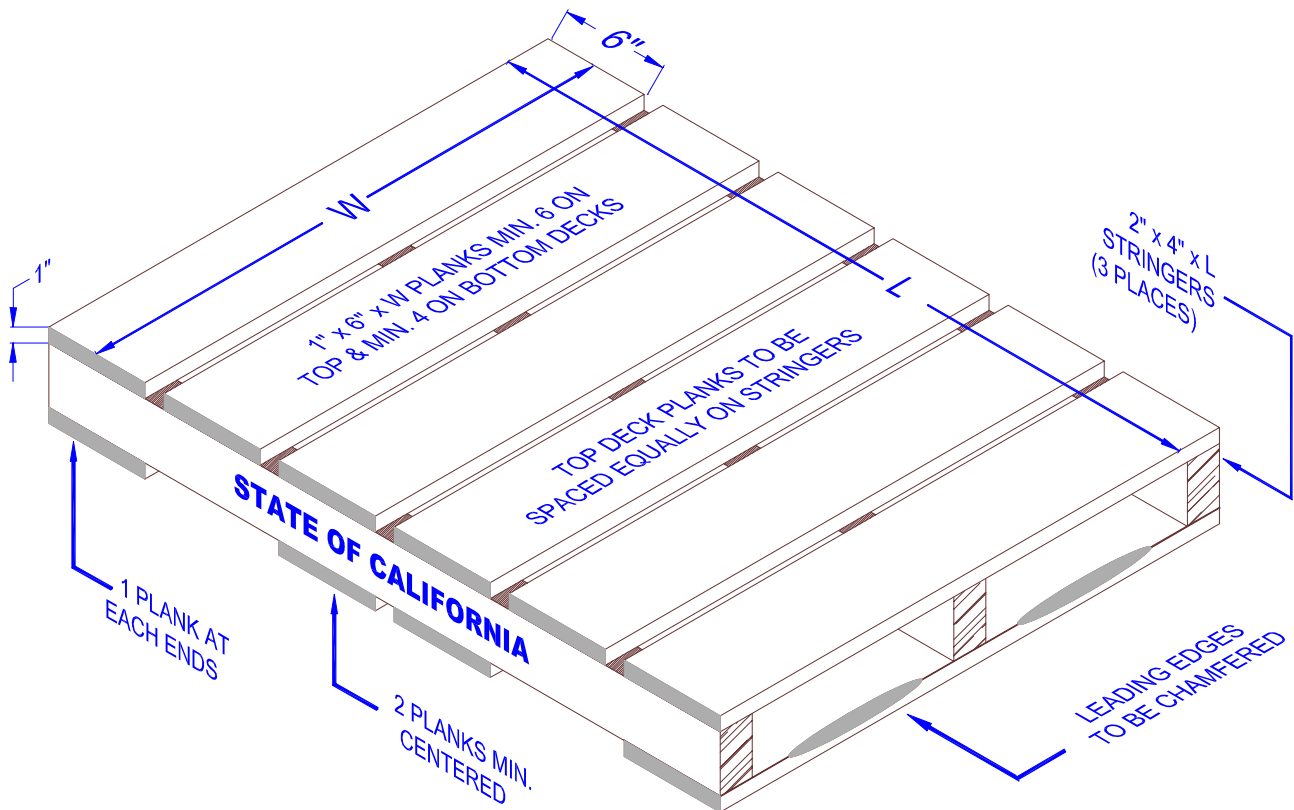


FIG. 1 - TYPE 2
WOODEN PALLET

sawed) with no edge knots. Sawed side is to be assembled to the inside of the pallets. Fastening shall be accomplished with 2¼ inch (+1/16 inch) 7 penny flat head drive screws (helical threaded nail) or 2¼ (+1/16 inch) #10 wire gauge annular ring nails as recommended in Specifications and Grades for Warehouse. Permanent or Returnable Pallets of West Coast Woods as published by the National Wooden Pallet and Container Association (Specifications and Grades, NWPCA).

3.2 Non-Standard Duty-Cycle Pallets

When specifically requested by the user, pallets may be manufactured using pine, oak or ash woods.

3.3 Construction

Pallet type and construction shall comply with Specifications and Grades, NWPCA. The pallets shall be Grade "Quality" (QAL).

The decking shall be secured with 3 nails or screws at each surface of contact with the stringer. Nails shall not be within ½ inch of deck-board edges or another nails.

All leading and outside edges of the bottom deck shall be chamfered. The chamfers shall be at least 12 inches long and shall be cut on an approximate 35 degree angle to the face so as to leave an edge adjacent to the chamfer not less than ¼ inch nor more than ½ inch from the outer

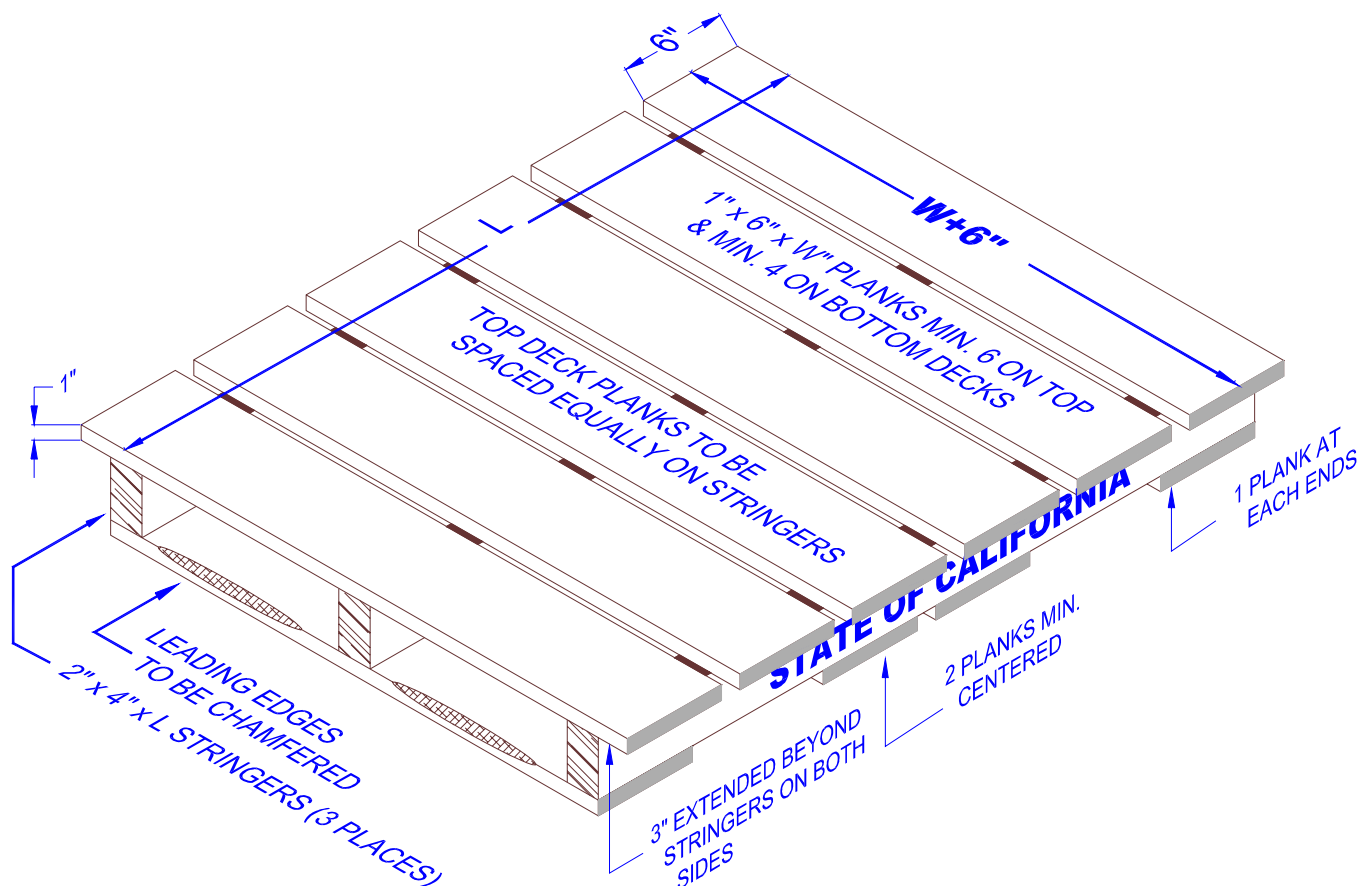


FIG. 2 - TYPE 4
SINGLE WING WOODEN PALLET

edge of the deck-board. The chamfer shall extend to within 3 inches of the stringers. Pallet configuration shall comply with illustration A.

| COMMONLY USED PALLET TYPES & SIZE | | | |
|---|------------|--|---|
| SIZE | TYPE | TOP DECK | BOTTOM DECK |
| 1 | 2 (Fig. 1) | 42"L x 36"W Six 1" x 6" x 36" deck-boards, spaced evenly along the pallet width | 42"L x 36"W Min. Four 1" x 6" x 36" boards. One placed each end of the stingers Two at center of the stringers |
| 2 | 2 (Fig. 1) | 42"L x 42"W Six 1" x 6" x 42" deck-boards, spaced evenly along the pallet width | 42"L x 42"W Min. Four 1" x 6" x 42" boards. One placed each end of the stingers Two at center of the stringers |
| 3 | 2 (Fig. 1) | 44"L x 44"W Six 1" x 6" x 44" deck-boards, spaced evenly along the pallet width | 44"L x 44"W Min. Four 1" x 6" x 44" boards. One placed each end of the stingers Two at center of the stringers(Fig. 1) |
| 4 | 2 (Fig. 1) | 45"L x 36"W Six 1" x 6" x 36" deck-boards, spaced evenly along the pallet width | 45"L x 36"W Min. Four 1" x 6" x 36" boards. One placed each end of the stingers Two at center of the stringers |
| 5 | 2 (Fig. 1) | 46"L x 44"W Six 1" x 6" x 44" deck-boards, spaced evenly along the pallet width | 46"L x 44"W Min. Four 1" x 6" x 44" boards. One placed each end of the stingers Two at center of the stringers |
| 6 | 2 (Fig. 1) | 48"L x 48"W Six 1" x 6" x 48" deck-boards, spaced evenly along the pallet width | 48"L x 48"W Min. Four 1" x 6" x 48" boards. One placed each end of the stingers Two at center of the stringers |
| Note: SIZE 1, TYPE 4 - has a single wing applied to top deck. | | | |
| 1 | 4 (Fig. 2) | 42"L x 36"W Six 1" x 6" x 36" deck-boards, spaced evenly along the pallet width with 3" wings extending beyond the stringers outboard faces | 42"L x 30"W Min. Four 1" x 6" x 36" boards. One placed each end of the stingers, Two at center of the stringers |

4 SAMPLING AND INSPECTION

This commodity will be sampled and inspected for compliance to this specification as deemed necessary. Sampling and inspection by attributes will be in accordance with ANSI/ASQ Z1.4 1993, Sampling Procedures and Tables for Inspection by Attributes. An inspection lot is defined as one delivery to one agency at one time.

4.1 Workmanship

The pallets shall be free from defects as outlined under Grade "Quality" (QAL) in the "Specifications and Grades", NWPCA.

5 MARKING

Each pallet shall be marked (two places), "**STATE OF CALIFORNIA**". Marking shall be easily readable, in black letters and on outboard faces of stringers.